Civil Action No. 6:20-cv-766

### Exhibit 2

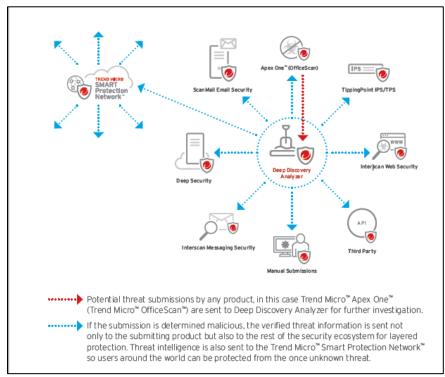
Claim Language	Where in the Accused Product(s) Each Limitation of the Asserted
	Claim(s) are Found
Claim 10. A method of creating and maintaining a dynamic decoy system based on a protected system comprising:	Claim(s) are Found Defendant Trend Micro's accused methods embody creating and
	protection/inspector.html (emphasis added)

Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive

"Deep Discovery Analyzer extends the value of existing security investments from Trend Micro and third parties (through a web services API) by providing <a href="mailto:custom sandboxing">custom sandboxing</a> and advanced <a href="mailto:analysis.">analysis.</a> It can also provide expanded sandboxing capabilities to other Trend Micro products. Suspicious objects can be sent to the Analyzer sandbox for advanced analysis using multiple detection methods. If a threat is discovered, security solutions can be updated automatically."

Source: "Deep Discovery Analyzer" Datasheet, <a href="https://www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html">https://www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html</a> (emphasis added)

As shown in the diagram below, "potential threat submissions" are sent to the Deep Discovery Analyzer. If such a submission is determined to be malicious, the entire Trend Micro Security Ecosystem and Smart Protection Network is updated for all users.



 $Source: ``Layered Security for Detection and Response'' brief, \\ www.trendmicro.com/en_us/business/products/network/advanced-threat-protection/analyzer.html?modal=s3b-prd-img-solution-brief-1d3c9f$ 

known good file / resp URL  If the sample does • Dee	p Discovery Analyzer sends the original request as a conse back to the ICAP client.  p Discovery Analyzer sends the original request as a
	n Discovery Analyzer sends the original request as a
and sho • Dee Disc	p Discovery Analyzer sends the original request as a sounce back to the ICAP client.  p Discovery Analyzer treats the sample as a submission sends it to the Submission queue. The sample is not wn on the ICAP Pre-scan tab.  p Discovery Analyzer adds the sample to the Deep covery Analyzer database to benefit later submissions.  ote  Virtual Analyzer does not support the file type of a abmitted sample, Deep Discovery Analyzer does not sende sample to the Submission queue or add to the Deep scovery Analyzer database.
matches a known mes malicious threat • Dee	p Discovery Analyzer reponds with a 403 Forbidden sage to the ICAP client.  p Discovery Analyzer logs the sample and displays aple details on the ICAP Pre-scan tab.

Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive

#### Virtual Analyzer

Virtual Analyzer is a secure virtual environment that manages and analyzes objects submitted by integrated products, administrators, and investigators. Custom sandbox images enable observation of files, URLs, registry entries, API calls, and other objects in environments that match your system configuration.

Virtual Analyzer performs static and dynamic analysis to identify an object's notable characteristics in the following categories:

- Anti-security and self-preservation
- Autostart or other system configuration
- Deception and social engineering
- · File drop, download, sharing, or replication
- Hijack, redirection, or data theft
- Malformed, defective, or with known malware traits
- Process, service, or memory object change
- Rootkit, cloaking
- · Suspicious network or messaging activity

During analysis, Virtual Analyzer rates the characteristics in context and then assigns a risk level to the object based on the accumulated ratings. Virtual Analyzer also generates analysis reports, suspicious object lists, PCAP files, and OpenIOC files that can be used in investigations.

It works in conjunction with Threat Connect, the Trend Micro service that correlates suspicious objects detected in your environment and threat data from the Smart Protection Network.

Source: "Virtual Analyzer," <a href="https://docs.trendmicro.com/all/ent/ddan/v6.9/en-us/ddan 6.9 ag.pdf">https://docs.trendmicro.com/all/ent/ddan/v6.9/en-us/ddan 6.9 ag.pdf</a> at Chapter 4, page 2

#### DEEP DISCOVERY ANALYZER APPLIANCE SPECIFICATIONS

	Deep Discovery Analyzer
Capacity	38,000 samples/day
Supported File Types	.bat,.cmd,.cell,.chm,.csv,.class,.cla,.dll,.ocx,.drv,.doc,.dot,.docx,.dotx,.docm,.dotm,.cpl,.eve,.sys,.crt,.scr,.gul,.hta,.htm,.html,.hwp,.hwpx,.iqv,.jar,.js,.jse,.jtd,.lnk,.mov,.pdf,.ppt,.pps,.pptx,.ppsx,.psl,.pub,.rtf,.slk,.svg,.swf,.vbe,.vbs,.wsf,.xls,.xla,.xlt,.xlm,.xls,.xlsb,.xltx,.xlsm,.xlm,.xml,.xht,.xhtml,.url
Supported Operating Systems	Windows XP, Win7, Win8/8.1, Win 10, Windows Server 2003, 2008, 2012, 2016 Mac OS
Form Factor	2U rack-mount, 48.26 cm (19")
Weight	31.5 kg (69.45 lbs)
Dimensions	Width 48.2 cm (18.98") x Depth 75.58 cm (29.75") x Height 8.73 cm (3.44")
Management Ports	10/100/1000 base-T RJ45 port x 1
Data Ports	10/100/1000 base-T RJ45 x 3
AC Input Voltage	100 to 240 VAC
AC Input Current	10A to 5A
Hard Drives	2 x 4 TB 3.5 inch SATA
RAID Configuration	RAID 1
Power Supply	750W redundant
Power Consumption (Max.)	847W (max.)
Heat	2891 BTU/hr. (max.)
Frequency	50/60 HZ
Operating Temp.	50-95 °F (10 to 35 °C)
Hardware Warranty	3 years

Source: "Deep Discovery Analyzer" Datasheet,

https://www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html (emphasis added)

	On information and belief, reasonable discovery will confirm that Trend Micro provides a method for creating and maintaining a dynamic decoy system based on a protected system, as set forth in claim 10 of the '698 patent.
creating a dynamic decoy system that substantially parallels relevant portions of a	Trend Micro's accused method embodies creating a dynamic decoy system that substantially parallels relevant portions of a protected system. Reasonable discovery will confirm this interpretation.
protected system;	For example, Trend Micro's Deep Discovery Analyzer gathers potential threats from multiple sources in order to determine malicious content. If the potential threat is considered dangerous it updates the system and sends to the entire security ecosystem. The custom sandbox ( <i>e.g.</i> , dynamic decoy system) matches the specific system specification ( <i>e.g.</i> , protected system) in order to detect the threats, thereby creating a dynamic decoy system that substantially parallels relevant portions of a protected system.
	Apex One OfficeScan)  Tipp impoint IPS/TPS  Scan Mail Email Security  Deep Discovery  Analy ar  Third Party  Manual Submissions
	Potential threat submissions by any product, in this case Trend Micro™ Apex One™ (Trend Micro™ OfficeScan™) are sent to Deep Discovery Analyzer for further investigation.  If the submission is determined malicious, the verified threat information is sent not only to the submitting product but also to the rest of the security ecosystem for layered protection. Threat intelligence is also sent to the Trend Micro™ Smart Protection Network™ so users around the world can be protected from the once unknown threat.

Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive

Trend Micro's Custom Sandbox Analysis (*e.g.*, dynamic decoy machine) uses "virtual images" that "precisely match [a user's] system configurations, drivers, installed applications, and language versions" (*e.g.*, relevant portions of a protected system).



Custom Sandbox Analysis uses virtual images that are tuned to precisely match your system configurations, drivers, installed applications, and language versions. This approach improves the detection rate of advanced threats that are designed to evade standard virtual images. The custom sandbox environment includes safe external access to identify and analyze multi-stage downloads, URLs, command and control (C&C), and more, as well as supporting manual or automated file and URL submission.

Source: "Deep Discovery Analyzer,"

https://www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html.

#### **Key Benefits**



#### **Better Detection**

- Superior detection versus generic virtual environments.
- · Superior evasion resistance.

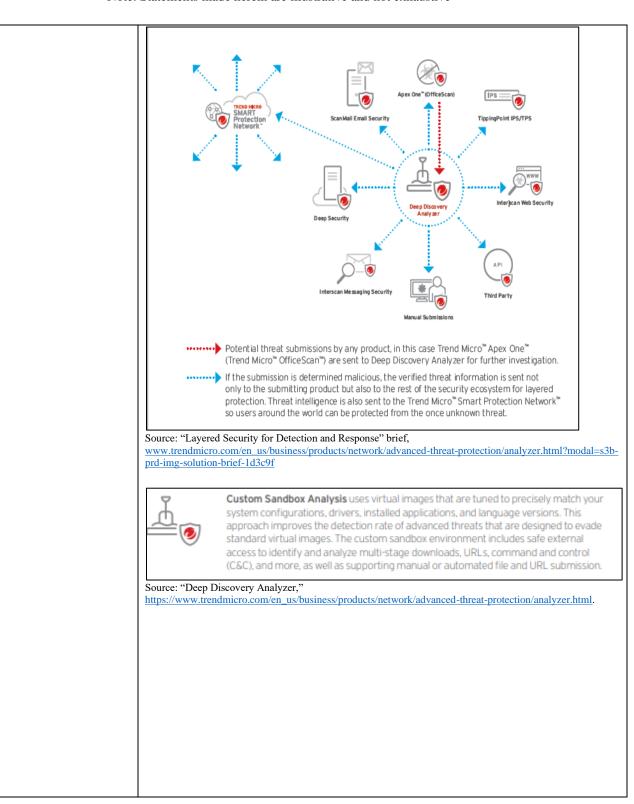
Source: "Deep Discovery Analyzer,"

https://www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html.

#### updating the dynamic decoy system based on changes to the protected system;

Trend Micro's accused methods embody updating the dynamic decoy system based on changes to the protected system. Reasonable discovery will confirm this interpretation.

For example, as stated above, Trend Micro's Deep Discovery Analyzer gathers potential threats from multiple sources in order to determine malicious content. If the potential threat (*e.g.*, changes to the protected system) is considered dangerous it updates the system and sends to the entire security ecosystem. The custom sandbox (*e.g.*, dynamic decoy system) matches the specific system specification (*e.g.*, protected system) in order to detect the threats.



RESULT	Action
If the sample is a known good file / URL	Deep Discovery Analyzer sends the original request as a response back to the ICAP client.
If the sample does not match any existing record	<ul> <li>Deep Discovery Analyzer sends the original request as a response back to the ICAP client.</li> <li>Deep Discovery Analyzer treats the sample as a submission and sends it to the Submission queue. The sample is not shown on the ICAP Pre-scan tab.</li> <li>Deep Discovery Analyzer adds the sample to the Deep Discovery Analyzer database to benefit later submissions.</li> </ul> Note If Virtual Analyzer does not support the file type of a submitted sample, Deep Discovery Analyzer does not send the sample to the Submission queue or add to the Deep Discovery Analyzer database.
If the sample matches a known malicious threat	Deep Discovery Analyzer reponds with a 403 Forbidden message to the ICAP client.     Deep Discovery Analyzer logs the sample and displays sample details on the ICAP Pre-scan tab.

Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive

For further example, and on information and belief, Trend Micro's Deep Discovery Analyzer monitors the host OS (*e.g.*, a protected system) and updates the Smart Protection Network, which in turn updates and improves Trend Micro's sandboxes (*e.g.*, dynamic decoy system) to protect against new threats.

#### Smart Feedback Tab

Deep Discovery Analyzer integrates the new Trend Micro Feedback Engine. This engine sends threat information to the Trend Micro Smart Protection Network, which allows Trend Micro to identify and protect against new threats. Participation in Smart Feedback authorizes Trend Micro to collect certain information from your network, which is kept in strict confidence.

Information collected by Smart Feedback:

- Product ID and version
- URLs suspected to be fraudulent or possible sources of threats
- Metadata of detected files (file type, file size, SHA-1 hash value, and SHA-1 hash value of parent file)
- Detection logs (from Advanced Threat Scan Engine, Predictive Machine Learning engine, and Virtual Analyzer)
- Sample of the following detected file types: bat, class, cmd, dll, exe, htm, html, jar, js, lnk, macho, mov, ps1, svg, swf, url, vbe, vbs, wsf
- Macros in Microsoft Office files

Source: "Smart Feedback Tab," https://docs.trendmicro.com/all/ent/ddan/v6.9/enus/ddan 6.9 ag.pdf at Chapter 4, page 75

### receiving one or more portions of code;

Trend Micro's accused methods embody receiving one or more portions of code. Reasonable discovery will confirm this interpretation.

For example, portions of code (*e.g.* files, documents, URLs, etc.) are received in the Deep Discovery Analyzer's sandbox.



Advanced Detection Methods such as static analysis, heuristic analysis, behavior analysis, web reputation, and file reputation ensure threats are discovered quickly. Analyzer also detects multi-stage malicious files, outbound connections, and repeated C&C from suspicious files.



- Broad file analysis range examines a wide range of Windows executables, Microsoft® Office, PDF, web content, and compressed file types using multiple detection engines and sandboxing. Custom policies can be defined by file type.
- Document exploit detection discovers malware and exploits delivered in common document formats by using specialized detection and sandboxing.
- URL analysis Performs sandbox analysis of URLs contained in emails or manually submitted samples.
- Web services API and manual submission enables any product or malware analyst
  to submit suspicious samples. Shares new indicators of compromise (IoC) detection
  intelligence automatically with Trend Micro and third-party products.
- Support for Windows, Mac, and Android™ operating systems

Source: "Deep Discovery Analyzer" Datasheet, www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html?modal=s3a-prd-img-datasheet-679bab

Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive

#### **Threat Types**

This widget shows the type, amount, and risk level of threats detected in all submissions during the specified time period.

Threat Types \$						
Period: Last 24 hours ▼ Last refresh: 22/06/2018 14:10:						
	Threat Type	High Risk	Medium Risk	Low Risk	Total	
(\$)	Ransomware	4	0	0	4	
6	Coin Miner	0	0	0	0	
	Dropper	<u>62</u>	0	<u>117</u>	<u>179</u>	
2	Worm	<u>35</u>	0	0	<u>35</u>	
ŀ	Backdoor	28	0	69	97	
酋	Bot	<u>13</u>	0	0	<u>13</u>	
1112	Keylogger	<u>5</u>	0	0	5	
<b>(</b>	Downloader	3	0	0	3	
*	File infector	0	0	0	0	
	Exploit	0	0	0	0	
ğ	Rootkit	0	0	0	0	

The default period is Last 24 hours. Change the period according to your preference.

Click a number under **High Risk**, **Medium Risk**, **Low Risk**, or **Total** to go to the **Submissions** screen and view detailed information.

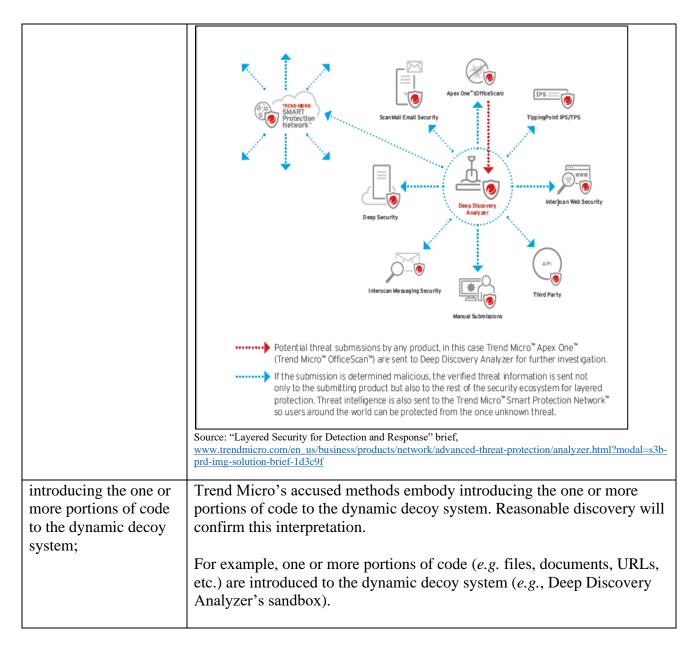
Source: "Threat Types," <a href="https://docs.trendmicro.com/all/ent/ddan/v6.9/en-us/ddan\_6.9\_ag.pdf">https://docs.trendmicro.com/all/ent/ddan/v6.9/en-us/ddan\_6.9\_ag.pdf</a> at Chapter 3, page 9

#### **Smart Feedback Tab**

Deep Discovery Analyzer integrates the new Trend Micro Feedback Engine. This engine sends threat information to the Trend Micro Smart Protection Network, which allows Trend Micro to identify and protect against new threats. Participation in Smart Feedback authorizes Trend Micro to collect certain information from your network, which is kept in strict confidence.

Information collected by Smart Feedback:

- Product ID and version
- URLs suspected to be fraudulent or possible sources of threats
- Metadata of detected files (file type, file size, SHA-1 hash value, and SHA-1 hash value of parent file)
- Detection logs (from Advanced Threat Scan Engine, Predictive Machine Learning engine, and Virtual Analyzer)
- Sample of the following detected file types: bat, class, cmd, dll, exe, htm, html, jar, js, lnk, macho, mov, ps1, svg, swf, url, vbe, vbs, wsf
- · Macros in Microsoft Office files



Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive



**Advanced Detection Methods** such as static analysis, heuristic analysis, behavior analysis, web reputation, and file reputation ensure threats are discovered quickly. Analyzer also detects multi-stage malicious files, outbound connections, and repeated C&C from suspicious files.

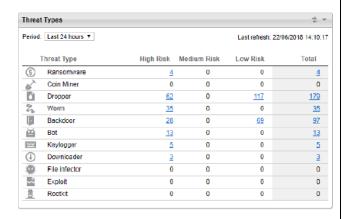
- Broad file analysis range examines a wide range of Windows executables, Microsoft® Office, PDF, web content, and compressed file types using multiple detection engines and sandboxing. Custom policies can be defined by file type.
- Document exploit detection discovers malware and exploits delivered in common document formats by using specialized detection and sandboxing.
- URL analysis Performs sandbox analysis of URLs contained in emails or manually submitted samples.
- Web services API and manual submission enables any product or malware analyst to submit suspicious samples. Shares new indicators of compromise (IoC) detection intelligence automatically with Trend Micro and third-party products.
- Support for Windows, Mac, and Android™ operating systems.

Source: "Deep Discovery Analyzer" Datasheet,

 $\underline{www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html?modal=s3a-prd-img-datasheet-679bab$ 

#### Threat Types

This widget shows the type, amount, and risk level of threats detected in all submissions during the specified time period.



The default period is Last 24 hours. Change the period according to your preference

Click a number under **High Risk**, **Medium Risk**, **Low Risk**, or **Total** to go to the **Submissions** screen and view detailed information.

 $Source: "Threat Types," \\ \underline{https://docs.trendmicro.com/all/ent/ddan/v6.9/en-us/ddan\_6.9\_\underline{ag.pdf}} \text{ at Chapter 3, page 9}$ 

Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive

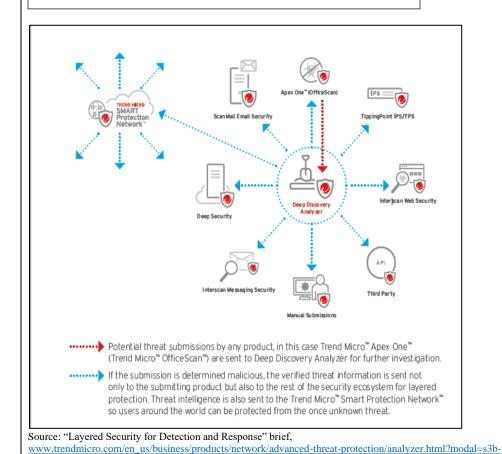
#### **Smart Feedback Tab**

Deep Discovery Analyzer integrates the new Trend Micro Feedback Engine. This engine sends threat information to the Trend Micro Smart Protection Network, which allows Trend Micro to identify and protect against new threats. Participation in Smart Feedback authorizes Trend Micro to collect certain information from your network, which is kept in strict confidence.

Information collected by Smart Feedback:

- Product ID and version
- URLs suspected to be fraudulent or possible sources of threats
- Metadata of detected files (file type, file size, SHA-1 hash value, and SHA-1 hash value of parent file)
- Detection logs (from Advanced Threat Scan Engine, Predictive Machine Learning engine, and Virtual Analyzer)
- Sample of the following detected file types: bat, class, cmd, dll, exe, htm, html, jar, js, lnk, macho, mov, ps1, svg, swf, url, vbe, vbs, wsf
- Macros in Microsoft Office files

Source: "Smart Feedback Tab," https://docs.trendmicro.com/all/ent/ddan/v6.9/en-us/ddan 6.9 ag.pdf at Chapter 4, page 75



prd-img-solution-brief-1d3c9f

Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive

simulating operating conditions of the protected system in the dynamic decoy system; and Trend Micro's accused methods embody simulating operating conditions of the protected system in the dynamic decoy system. Reasonable discovery will confirm this interpretation.

For example, Trend Micro's Deep Discovery Analyzer customizable sandbox (*e.g.*, dynamic decoy system) provides a wide range of capabilities to simulate the operating conditions of the protected system.

#### **Custom Sandboxing**

Deep Discovery Analyzer performs sandbox simulation and analysis in environments that match the desktop software configurations attackers expect in your environment and ensures optimal detection with low false-positive rates.

Source: https://docs.trendmicro.com/all/ent/ddan/v6.8/en-us/ddan\_6.8\_ag.pdf (emphasis added)

### Custom sandboxing

Custom sandboxes use virtual images to match your operating system applications, configurations, and patches. Difficult for hackers to evade, they include a "safe live mode" to analyze multistage downloads, URLs, C&C, and more. Sandboxing can be used as further sandboxing capacity for other Deep Discovery appliances or as a scalable stand-alone sandbox. Manual submission allows administrators to investigate suspicious objects.

Source: "Custom Sandboxing" Tab, <a href="https://www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html">https://www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html</a> (emphasis added)

Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive



**Advanced Detection Methods** such as static analysis, heuristic analysis, behavior analysis, web reputation, and file reputation ensure threats are discovered quickly. Analyzer also detects multi-stage malicious files, outbound connections, and repeated C&C from suspicious files.



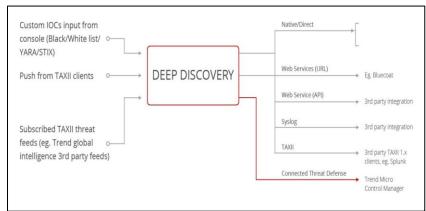
- Broad file analysis range examines a wide range of Windows executables, Microsoft® Office, PDF, web content, and compressed file types using multiple detection engines and sandboxing. Custom policies can be defined by file type.
- Document exploit detection discovers malware and exploits delivered in common document formats by using specialized detection and sandboxing.
- URL analysis Performs sandbox analysis of URLs contained in emails or manually submitted samples.
- Web services API and manual submission enables any product or malware analyst
  to submit suspicious samples. Shares new indicators of compromise (IoC) detection
  intelligence automatically with Trend Micro and third-party products.
- Support for Windows, Mac, and Android™ operating systems.

Source: "Deep Discovery Analyzer" Datasheet,

 $\underline{www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html?modal=s3a-prd-img-datasheet-679bab$ 

monitoring sensors in the dynamic decoy system for at least one of actions or results of the one or more portions of code, Trend Micro's accused methods embody monitoring sensors in the dynamic decoy system for at least one of actions or results of the one or more portions of code. Reasonable discovery will confirm this interpretation.

On information and belief, and for example, Trend Micro's Deep Discovery Analyzer contains at least one or more sensors capable of analyzing the potential threats (*e.g.*, actions or results of the one or more portions of code) to the protected system. Trend Micro's Deep Discovery method analyzes relevant, potentially malicious data, and sends relevant analyses and reports to relevant systems and users. Such detection requires sensors.



Source: "Detect threats faster with advanced sharing,"

www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/deep-discovery-threat-intelligence-network-analytics.html?modal=s5a-prd-img-deep-discovery-445d38

Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive

"Organizations are increasingly becoming victims of targeted ransomware when advanced malware gets around traditional security, encrypts data, and demands payment to release the data. Deep Discovery Analyzer uses known and unknown patterns and reputation analysis to **detect** the latest ransomware attacks, including WannaCry. The customized sandbox **detects** mass file modifications, encryption behavior, and modifications to backup and restore processes."

Source: https://www.trendmicro.com/en\_th/business/products/network/advanced-threat-protection/analyzer.html

Trend Micro's Custom Sandbox Analysis (*e.g.*, dynamic decoy machine) includes "safe external access to **identify** and **analyze**..."



Custom Sandbox Analysis uses virtual images that are tuned to precisely match your system configurations, drivers, installed applications, and language versions. This approach improves the detection rate of advanced threats that are designed to evade standard virtual images. The custom sandbox environment includes safe external access to identify and analyze multi-stage downloads, URLs, command and control (C&C), and more, as well as supporting manual or automated file and URL submission.

Source: "Deep Discovery Analyzer,"

https://www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html.

#### Risk Level

Virtual Analyzer performs static analysis and behavior simulation to identify a sample's characteristics. During analysis, Virtual Analyzer rates the characteristics in context and then assigns a risk level to the sample based on the accumulated ratings.

Red icon (
 ): High risk. The object exhibited highly suspicious
 characteristics that are commonly associated with malware.

#### Examples:

- Malware signatures; known exploit code
- · Disabling of security software agents
- · Connection to malicious network destinations
- Self-replication; infection of other files
- · Dropping or downloading of executable files by documents
- Yellow icon (!): Low risk. The object exhibited mildly suspicious characteristics that are most likely benign.
- Green icon ( ): No risk. The object did not exhibit suspicious characteristics.

Source: "Submissions," <a href="https://docs.trendmicro.com/all/ent/ddan/v6.9/en-us/ddan\_6.9\_ag.pdf">https://docs.trendmicro.com/all/ent/ddan/v6.9/en-us/ddan\_6.9\_ag.pdf</a> at Chapter 4, page 6



Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive

#### Triggered Alerts Tab

The **Triggered Alerts** tab, in **Alerts / Reports > Alerts**, shows all alert notifications generated by Deep Discovery Analyzer. Alert notifications provide immediate intelligence about the state of Deep Discovery Analyzer.

The following columns show information about alert notifications created by Deep Discovery Analyzer:

TABLE 5-1. Triggered Alerts Columns

COLUMN NAME	Information	
Triggered	Date and Time Deep Discovery Analyzer triggered the alert notification.	
Level	Level of the triggered alert notification.	
	Critical: The event requires immediate attention	
	Important: The event requires observation	
	Informational: The event requires limited observation	
Rule	Rule that triggered the alert notification.	
Affected Appliance	Host name, IPv4 and IPv6 addresses of the appliance affected the alert notification content, if applicable.	
Details	Click the icon to view the full alert notification details, including the list of notification recipients, subject, and message of the alert notification.	

wherein the relevant portions of the protected system allow the one or more portions of code to be analyzed in the dynamic decoy system as if the dynamic decoy system were the protected system. Trend Micro's accused methods embody monitoring sensors, per the preceding step, wherein the relevant portions of the protected system allow the one or more portions of code to be analyzed in the dynamic decoy system as if the dynamic decoy system were the protected system. Reasonable discovery will confirm this interpretation.

For example, Trend Micro's accused methods include custom sandboxes (*e.g.*, dynamic decoy system) that use virtual images to "precisely match [a user's] system configurations, drivers, installed applications, and language versions" (*e.g.*, protected system).



Custom Sandbox Analysis uses virtual images that are tuned to precisely match your system configurations, drivers, installed applications, and language versions. This approach improves the detection rate of advanced threats that are designed to evade standard virtual images. The custom sandbox environment includes safe external access to identify and analyze multi-stage downloads, URLs, command and control (C&C), and more, as well as supporting manual or automated file and URL submission.

Source: "Deep Discovery Analyzer,"

https://www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection/analyzer.html.

#### Case 6:20-cv-00766-ADA Document 1-3 Filed 08/24/20 Page 20 of 20

## U.S. Patent 7,010,698 "Systems and Methods for Creating a Code Inspection System" Pre-Discovery Evidence of Use for Infringement

Priority Date: February 14, 2001 Note: Statements made herein are illustrative and not exhaustive

For example, in a video titled "Suspicious Objects," Trend Micro states: "analyzed in a secure custom sandbox to see what the object would do in your environment" 1:01-1:05.

 $\underline{https://www.trendmicro.com/en\_us/business/products/network/advanced-threat-protection.html}$ 

For example, in a video titled "Detect lateral movement of known, unknown, and undisclosed threats," Trend Micro states: "secure custom sandbox that mimics your own corporate image down to the OS, application, version, and patches" 1:12-1:20.

 $\underline{https://www.trendmicro.com/en\_us/business/products/network/advanced-\underline{threat-protection.html}}$ 

### Custom sandboxing

Custom sandboxes use virtual images to match your operating system applications, configurations, and patches. Difficult for hackers to evade, they include a "safe live mode" to analyze multistage downloads, URLs, C&C, and more. Sandboxing can be used as further sandboxing capacity for other Deep Discovery appliances or as a scalable stand-alone sandbox. Manual submission allows administrators to investigate suspicious objects.

 $Source: ``Custom Sandboxing'' Tab, \\ \underline{https://www.trendmicro.com/en\_us/business/products/network/advanced-\\ \underline{threat-protection/analyzer.html} (emphasis added)$